# **AUCTION EVENT**

The first round of the auction will begin on February 24, 2000. The initial round schedule will be announced in a Public Notice listing the qualified bidders, to be released approximately 10 days before the start of the auction.

# 1. AUCTION STRUCTURE

### (a) Simultaneous Multiple Round Auction

The 2,499 licenses in the 929 and 931 MHz Paging auction will be awarded through a single, simultaneous multiple round auction. Unless otherwise announced, bids will be accepted on all licenses in each round of the auction.

# (b) Maximum Eligibility and Activity Rules

As noted in "Amount of Upfront Payment," in Tab C, the amount of the upfront payment submitted by a bidder would determine the initial maximum eligibility (as measured in bidding units) for each bidder. Upfront payments are not attributed to specific licenses, but instead will be translated into bidding units to define a bidder's initial maximum eligibility. The total upfront payment defines the maximum number of bidding units on which the applicant will initially be permitted to bid. There is no provision for increasing a bidder's maximum eligibility during the course of an auction.

In order to ensure that the auction closes within a reasonable period of time, an activity rule requires bidders to bid actively throughout the auction, rather than wait until the end before participating. Bidders are required to be active on a specific percentage of their maximum eligibility during each round of the auction, as described in the section on Auction Stages, *see* next page.

A bidder is considered active on a license in the current round if it is either the high bidder at the end of the previous bidding round and does not withdraw the high bid in the current round, or if it submits an acceptable bid in the current round (see "Minimum Accepted Bids" in this Tab). A bidder's activity level in a round is the sum of the bidding units associated with licenses on which the bidder is active. The minimum required activity level is expressed as a percentage of the bidder's maximum bidding eligibility, and increases as the auction progresses

#### (c) Activity Rule Waivers and Reducing Eligibility

Each bidder will be provided five *activity rule waivers* that may be used in any round during the course of the auction. Use of an activity rule waiver preserves the bidder's current bidding eligibility despite the bidder's activity in the current round being below the required minimum level. An activity rule waiver applies to an entire round of bidding and not to a particular license.

The FCC auction system assumes that bidders with insufficient activity would prefer to use an activity rule waiver (if available) rather than lose bidding eligibility. Therefore, the system will automatically apply a waiver (known as an "automatic waiver") at the end of any round where a bidder's activity level is below the minimum required unless: (1) there are no activity rule waivers available; or (2) the bidder overrides the automatic application of a waiver by reducing eligibility, thereby meeting the minimum requirements.

A bidder with insufficient activity that wants to reduce its bidding eligibility rather than use an activity rule waiver must affirmatively override the automatic waiver mechanism during the round by using the reduce eligibility function in the software. In this case, the bidder's eligibility is permanently reduced to bring the bidder into compliance with the activity rules as described in "Auction Stages," below. Once eligibility has been reduced, a bidder will not be permitted to regain its lost bidding eligibility.

Finally, a bidder may proactively use an activity rule waiver as a means to keep the auction open without placing a bid. If a bidder submits a proactive waiver (using the proactive waiver function in the bidding software) during a round in which no bids are submitted, the auction will remain open and the bidder's eligibility will be preserved. An automatic waiver invoked in a round in which there are no new valid bids or withdrawals will not keep the auction open.

#### (d) Auction Stages

The auction will be composed of three stages, which are each defined by an increasing activity rule. Below are the activity levels for each stage of the auction. The FCC reserves the discretion to further alter the activity percentages before and/or during the auction.

**Stage One**: In each round of the first stage of the auction, a bidder desiring to maintain its current eligibility is required to be active on licenses encompassing at least 80 percent of its current bidding eligibility. Failure to maintain the requisite activity level will result in a reduction in the bidder's bidding eligibility in the next round of bidding (unless an activity rule waiver is used). During Stage One, reduced eligibility for the next round will be calculated by multiplying the current round activity by five-fourths (5/4).

**Stage Two**: In each round of the second stage, a bidder desiring to maintain its current eligibility is required to be active on 90 percent of its current bidding eligibility. During Stage Two, reduced eligibility for the next round will be calculated by multiplying the current round activity by ten-ninths (10/9).

**Stage Three**: In each round of the third stage, a bidder desiring to maintain its current eligibility is required to be active on 98 percent of its current bidding eligibility. In this final stage, reduced eligibility for the next round will be calculated by multiplying the current round activity by fifty-fortyninths (50/49).

**CAUTION:** Since activity requirements increase in each auction stage, bidders must carefully check their current activity during the bidding round of the first round following a stage transition. This is especially critical for bidders that have standing high bids and do not plan to submit new bids. In past auctions, some bidders have inadvertently lost bidding eligibility or used an activity rule waiver because they did not reverify their activity status at stage transitions. Bidders may check their activity against the required minimum activity level by using the bidding software's bidding module.

#### (e) Stage Transitions

The auction will start in Stage One, and under the FCC's general guidelines it will advance to the next stage (*i.e.*, from Stage One to Stage Two, and from Stage Two to Stage Three) when, in each of three consecutive rounds of bidding, the high bid has increased on 10 percent or less of the licenses being auctioned (as measured in bidding units). However, the Bureau will retain the discretion to change stages unilaterally by announcement during the auction. This determination will be based on a variety of measures of bidder activity, including, but not limited to, the auction activity level, the percentages of licenses (as measured in bidding units) on which there are new bids, the number of new bids, and the percentage increase in revenue.

#### (f) Auction Stopping Rules

Barring extraordinary circumstances, bidding will remain open for all licenses until the first round in which no new acceptable bids, proactive waivers, or withdrawals are received ("simultaneous stopping rule"). After the first such round, bidding closes simultaneously on all licenses. Further, the Bureau retains the discretion to implement a modified stopping rule to close the auction in the first round in which no bidder submits a proactive waiver, a withdrawal, or a new bid on any license on which it is not the standing high bidder. Thus, under this modified stopping rule, absent any other bidding activity, a bidder placing a new bid on a license for which it is the standing high bidder would not keep the auction open.

The Bureau retains the discretion; however, to keep an auction open even if no new acceptable bids or proactive waivers are submitted, and no previous high bids are withdrawn. In this event, the effect will be the same as if a bidder had submitted a proactive waiver. Thus, the activity rule will apply as usual, and a bidder with insufficient activity will either lose bidding eligibility or use an activity rule waiver (if it has any left).

Further, in its discretion, the Bureau reserves the right to declare that the auction will end after a specified number of additional rounds ("special stopping rule"). If the FCC invokes this special stopping rule, it will accept bids in the final round(s) only for licenses on which the high bid increased in at least one of the preceding specified number of rounds. The FCC intends to exercise this option only in extreme circumstances, such as

where the auction is proceeding very slowly, where there is minimal overall bidding activity, or where it appears likely that the auction will not close within a reasonable period of time. Before exercising this option, the FCC is likely to attempt to increase the pace of the auction by, for example, moving the auction into the next stage (where bidders would be required to maintain a higher level of bidding activity), increasing the number of bidding rounds per day, and/or increasing the amount of the minimum bid increments for the limited number of licenses where there is still a high level of bidding activity.

### (g) Auction Delay, Suspension, or Cancellation

By public notice or by announcement during the auction, the Bureau may delay, suspend or cancel the auction in the event of natural disaster, technical obstacle, evidence of an auction security breach, unlawful bidding activity, administrative or weather necessity, or for any other reason that affects the fair and competitive conduct of competitive bidding. In such cases, the Bureau, in its sole discretion, may elect to: resume the auction starting from the beginning of the current round; resume the auction starting from some previous round; or cancel the auction in its entirety. Network interruption may cause the Bureau to delay or suspend the auction. We emphasize that exercise of this authority is solely within the discretion of the Bureau, and its use is not intended to be a substitute for situations in which bidders may wish to apply their activity rule waivers.

#### 2. BIDDING PROCEDURES

#### (a) Round Structure

The initial bidding schedule will be announced by public notice at least one week before the start of the auction, and will be included in the registration mailings. The round structure for each bidding round contains a single bidding round followed by the release of the round results.

The FCC has discretion to change the bidding schedule in order to foster an auction pace that reasonably balances speed with the bidders' need to study round results and adjust their bidding strategies. The FCC may increase or decrease the amount of time for the bidding rounds and review periods, or the number of rounds per day, depending upon the bidding activity level and other factors.

#### (b) Reserve Price or Minimum Opening Bid

There are minimum opening bids for each of the licenses in the 929 and 931 MHz Paging auction that are reducible at the discretion of the Bureau. The level will be set as follows:

\$0.0005\*POPs (the result rounded to the nearest hundred for levels below \$10,000 and to the nearest thousand for levels above \$10,000) with a minimum of no less than \$2,500 per license.

# (c) Minimum Accepted Bids

Once there is a standing high bid on a license, a bid increment will be applied to that license to establish a minimum acceptable bid for the following round. For the 929 and 931 MHz Paging auction, we will utilize, as described immediately below, an exponential smoothing methodology to calculate minimum bid increments. The Bureau retains the discretion to change the minimum bid increment if it determines that circumstances so dictate. The exponential smoothing methodology has been used in previous auctions, including the LMDS, 220 MHz and LMS auctions.

#### **Exponential Smoothing**

The exponential smoothing formula calculates the bid increment for each license based on a weighted average of the activity received on each license in the current and all previous rounds. This methodology will tailor the bid increment for each license based on activity, rather than setting a global increment for all licenses. For every license that receives a bid, the bid increment for the next round for that license will be established as a percentage increment that is determined by using the exponential smoothing formula.

Using exponential smoothing, the calculation of the percentage bid increment for each license will be based on an activity index, which is calculated as the weighted average of the current activity and the activity index from the previous round. The activity index at the start of the auction (round 0) will be set at 0. The current activity index is equal to a weighting factor times the number of new bids received on the license in the current bidding round plus one minus the weighting factor times the activity index from the previous round. The activity index is then used to calculate a percentage increment by multiplying a minimum percentage increment by one plus the activity index with that result being subject to a maximum percentage increment. The Commission will initially set the weighting factor at 0.5, the minimum percentage increment at 0.1 and the maximum percentage increment at 0.2

The Bureau retains the discretion to change the minimum bid increment if it determines that circumstances so dictate, such as raising the minimum increment toward the end of the auction to enable bids to reach their final values more quickly. The Bureau will do so by announcement in the Automated Auction System.

Under its discretion the Bureau may also implement an absolute dollar floor for the bid increment to further facilitate a timely close of the auction. The Bureau may also use its discretion to adjust the minimum bid increment without prior notice if circumstances warrant. As an alternative approach, the Bureau may, in its discretion, adjust the minimum bid increment gradually over a number of rounds as opposed to single large changes in the minimum bid increment (*e.g.*, by raising the increment floor by one percent every round over the course of ten rounds). The Bureau also retains the

discretion to use alternate methodologies for the 929 and 931 MHz Paging Auction if circumstances warrant.

### **Equations**

$$A_i = (C * B_i) + ((1-C) * A_{i-1})$$
  
 $I_i = \text{smaller of } ((1 + A_i) * N) \text{ and } M$ 

where,

 $A_i$  = activity index for the current round (round i)

C = activity weight factor

 $B_i$  = number of bids in the current round (round i)

 $A_{i-1}$  = activity index from previous round (round i-1),  $A_0$  is 0

 $I_i$  = percentage bid increment for the current round (round i)

N = minimum percentage increment

M = maximum percentage increment

Under the exponential smoothing methodology, once a bid has been received on a license, the minimum acceptable bid for that license in the following round will be the new high bid plus the dollar amount associated with the percentage increment (variable  $I_i$  from above times the high bid). This result will be rounded to the nearest thousand if it is over 10,000 or to the nearest hundred if it is under 10,000.

# **Examples**

License 1 C=0.5, N = 0.1, M = 0.2

#### Round 1 (2 new bids, high bid = \$1,000,000)

1. Calculation of percentage increment using exponential smoothing:

$$A_1 = (0.5 * 2) + (0.5 * 0) = 1$$
  
The smaller of  $I_1 = (1 + 1) * 0.1 = 0.2$  or 0.2 (the maximum percentage increment)

2. Minimum bid increment using the percentage increment ( $I_1$  from above)

$$0.2 * \$1,000,000 = \$200,000$$

3. Minimum acceptable bid for round 2 = 1,200,000

# Round 2 (3 new bids, high bid = 2,000,000)

1. Calculation of percentage increment using exponential smoothing:

$$A_2 = (0.5 * 3) + (0.5 * 1) = 2$$
  
The smaller of  $I_2 = (1 + 2) * 0.1 = 0.3$  or 0.2 (the maximum percentage increment)

2. Minimum bid increment using the percentage increment (I<sub>2</sub> from above)

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0.2 * \$2,000,000 = \$400,000
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3. Minimum acceptable bid for round 3 = 2,400,000

Round 3 (1 new bid, high bid = 2,400,000)

1. Calculation of percentage increment using exponential smoothing:

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A_3 = (0.5 * 1) + (0.5 * 2) = 1.5
The smaller of I_3 = (1 + 1.5) * 0.1 = 0.25 or 0.2 (the maximum percentage increment)
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- 2. Minimum bid increment using the percentage increment ( $I_3$  from above) 0.2 \* \$2,400,000 = \$480,000
- 3. Minimum acceptable bid for round 4 = 2,880,000

## (d) High Bids

Each bid will be date- and time-stamped when it is entered into the Auctions Automation System. In the event of tie bids, the Commission will identify the high bidder on the basis of the order in which bids are received by the Commission, starting with the earliest bid. The bidding software allows bidders to make multiple submissions in a round. As each bid is individually date and time-stamped according to when it was submitted, bids submitted by a bidder earlier in a round will have an earlier date- and time-stamp than bids submitted later in a round.

#### (e) Bidding

During a bidding round, a bidder may submit bids for as many licenses for which it is eligible, as well as withdraw high bids from previous bidding rounds, remove bids placed in the same bidding round, or permanently reduce eligibility. Bidders also have the option of making multiple submissions and withdrawals in each bidding round. If a bidder submits multiple bids for a single license in the same round, the system takes the last bid entered as that bidder's bid for the round, and the date- and time-stamp of that bid reflect the latest time the bid was submitted.

Please note that all bidding will take place either through the automated bidding software or by telephonic bidding. (Telephonic bid assistants are required to use a script when handling bids placed by telephone. Telephonic bidders are therefore reminded to allow sufficient time to bid, by placing their calls well in advance of the close of a round, because four to five minutes are necessary to complete a bid submission.) There will be no on-site bidding during Auction #26.

A bidder's ability to bid on specific licenses in the first round of the auction is determined by two factors: (1) the licenses applied for on FCC Form 175; and (2) the upfront

payment amount deposited. The bid submission screens will be tailored for each bidder to include only those licenses for which the bidder applied on its FCC Form 175.

The bidding software requires each bidder to login to the FCC auction system during the bidding round using the FCC account number, bidder identification number, and the confidential security codes provided in the registration materials. Bidders are strongly encouraged to download and print bid confirmations <u>after</u> they submit their bids.

The bid entry screen of the Automated Auction System software for the 929 and 931 MHz Paging Auction allows bidders to place multiple increment bids which will let bidders increase high bids from one to nine bid increments. A single bid increment is defined as the difference between the standing high bid and the minimum acceptable bid for a license.

To place a bid on a license, the bidder must enter a whole number between 1 and 9 in the bid increment multiplier (Bid Mult) field. This value will determine the amount of the bid (Amount Bid) by multiplying the bid increment multiplier by the bid increment and adding the result to the high bid amount according to the following formula:

# **Amount Bid = High Bid + (Bid Mult \* Bid Increment)**

Thus, bidders may place a bid that exceeds the standing high bid by between one and nine times the bid increment. For example, to bid the minimum acceptable bid, which is equal to one bid increment, a bidder will enter "1" in the bid increment multiplier column and press submit.

For any license on which the FCC is designated as the high bidder (*i.e.*, a license that has not yet received a bid in the auction or where the high bid was withdrawn and a new bid has not yet been placed), bidders will be limited to bidding only the minimum acceptable bid. In both of these cases no increment exists for the licenses, and bidders should enter "1" in the Bid Mult field. Note that any whole number between 1 and 9 entered in the multiplier column will result in a bid value at the minimum acceptable bid amount. Finally, bidders are cautioned in entering numbers in the Bid Mult field because, as explained in the following section, a high bidder that withdraws its standing high bid from a previous round, even if mistakenly or erroneously made, is subject to bid withdrawal payments.

# (f) Bid Removal and Bid Withdrawal

Before the close of a bidding round, a bidder has the option of removing any bids placed in that round. By using the "remove bid" function in the software, a bidder may effectively "unsubmit" any bid placed within that round. A bidder removing a bid placed in the same round is not subject to withdrawal payments. Removing a bid will affect a bidder's activity for the round in which it is removed so bidders are cautioned to check their activity level for the round carefully.

Once a round closes, a bidder may no longer remove a bid. However, in the next round, a bidder may withdraw standing high bids from previous rounds using the withdraw bid function (assuming that the bidder has not exhausted its withdrawal allowance). A high bidder that withdraws its standing high bid from a previous round is subject to the bid withdrawal payments specified in 47 C.F.R. §§ 1.2104(g), and 1.2109. The procedure for withdrawing a bid and receiving a withdrawal confirmation is essentially the same as the bidding procedure described in "High Bids," in this Tab.

Bidders are limited to placing withdrawals in two rounds. These rounds will be at the bidder's discretion and there will be no limit on the number of bids that may be withdrawn in either of these rounds. Withdrawals will still be subject to the bid withdrawal payments specified in 47 C.F.R. §§ 1.2104(g), and 1.2109. Bidders should note that abuse of the Commission's bid withdrawal procedures could result in the denial of the ability to bid on a market.

If a high bid is withdrawn, the license will be offered in the next round at the second highest bid price, which may be less than, or equal to, in the case of tie bids, the amount of the withdrawn bid, without any bid increment. The FCC will serve as a "place holder" on the license until a new acceptable bid is submitted on that license.

Generally, a bidder that withdraws a standing high bid during the course of an auction will be subject to a payment equal to the lower of: (1) the difference between the net withdrawn bid and the subsequent net winning bid; or (2) the difference between the gross withdrawn bid and the subsequent gross winning bid for that license. *See* 47 C.F.R. §§ 1.2104(g), and 1.2109. No withdrawal payment will be assessed if the subsequent winning bid exceeds the withdrawn bid.

#### (g) Round Results

The bids placed during a round are not published until the conclusion of that bidding period. After a round closes, the FCC will compile reports of all bids placed, bids withdrawn, current high bids, new minimum accepted bids, and bidder eligibility status (bidding eligibility and activity rule waivers), and post the reports for public access.

Reports reflecting bidders' identities and bidder identification numbers for Auction #26 will be available before and during the auction. Thus, bidders will know in advance of this auction the identities of the bidders against which they are bidding.

#### (h) Auction Announcements

The FCC will use auction announcements to announce items such as schedule changes and stage transitions. All FCC auction announcements will be available on the FCC remote electronic bidding system, as well as the Internet and the FCC Bulletin Board System.

## (i) Changes to Short Form

As noted in "Pre-Auction Procedures," Tab C, after the short-form filing deadline, applicants may make only minor changes to their FCC Form 175 applications. For example, permissible minor changes include deletion and addition of authorized bidders (to a maximum of three) and revision of exhibits. Filers should make these changes online, and submit a letter to Amy Zoslov, Chief, Auctions and Industry Analysis Division, Wireless Telecommunications Bureau, Federal Communications Commission, 445 12<sup>th</sup> Street, S.W., Washington, D.C. 20554 (and mail a separate copy to Rosemary Cabral, Legal Branch, Auctions and Industry Analysis Division, 445 12<sup>th</sup> Street, S.W., Washington, DC 20554) briefly summarizing the changes. Questions about other changes should be directed to Rosemary Cabral at (202) 418-0660.

### 3. TELEPHONIC BIDDING INSTRUCTIONS

Bidders are encouraged to utilize the remote electronic bidding software. However, the option to bid telephonically can be used as a backup to electronic bidding or by those participants who prefer not to bid electronically. Trained bid assistants can:

- Submit a bid(s)
- Reduce eligibility
- Submit a waiver
- Remove a current bid(s)
- Withdrawal a standing high bid(s)

Listed below are instructions for using the telephonic bidding option. These instructions can also be used as a guide when submitting a bid electronically for the first time.

- 1) Each time a call is placed, you will be asked to provide the following information:
  - Login ID: Provided in the 2nd Federal Express mailing.
  - Login Password: Provided in the 2nd Federal Express mailing.
  - FCC Account Number: Provided in the 1st Federal Express mailing.
  - Bidder Identification Number (BIN): Provided in the 1st Federal Express mailing.
- 2) Your fax number will be verified.
- 3) You will be asked to identify yourself. (Your eligibility to bid for this bidder will be verified with the information provided on the FCC Form 175.)
- 4) You will be notified of your current status in the auction. This will include the stage, round number, time remaining in bidding period, waivers used, waivers remaining, current activity, and activity amount required.
- 5) You will be asked what transaction you would like to perform (i.e. submit a bid, reduce eligibility, submit a waiver, etc.). Please have the pertinent market number(s) and frequency block(s) you are interested in readily available.
- 6) If submitting a bid(s), the bid assistant will indicate if you are the standing high bidder in that market. If not, they will identify the previous high bid and the current bid increment. You will then be asked how many increments you wish to bid (1-9).
- 7) After the last bid has been placed, the bid assistant will confirm your bid(s) before submitting and will advise you of the total dollar amount of your bid(s) and the total activity (bidding units) used in the round.
- 8) A bid verification will be generated and faxed to number confirmed previously.

Note: Advise bid assistant of any intention to submit multiple transactions. Completing transactions randomly may jeopardize your status in the auction. For instance:

If you intend to withdrawal a standing high bid or remove a current bid as well as submit a new bid, the withdrawal/removal should be done first to ensure that you have sufficient eligibility to place the new bid.

If you intend to reduce your eligibility as well as submit a bid(s), all bids should be submitted first. If not, your eligibility will be reduced to your current activity amount and you will not have enough eligibility to place new bids.

### 4. HOW TO MONITOR THE FCC AUCTIONS ON-LINE

The auction announcements and round results for Auction 26 will be accessible through the FCC Wide Area Network, the Internet, the FCC Auction Bulletin Board System (BBS), and the FCC's Automated Round Results System. You can check on round results and also read any material released by the Commission during the course of the auction. The information needed to track the auction from your computer is listed in options 1-3. An alternative method is listed in option 4.

# Option 1: Tracking the Auction via the FCC Wide Area Network

The FCC has implemented a Remote Access System that allows users to dial in directly to the FCC to view round results, auction announcements, and messages, and to make suggestions to the FCC regarding the FCC auction process.

The following minimum hardware and software is required to use the FCC Remote Access System:

# **Minimum Hardware Requirements**

- CPU: Intel Pentium
- RAM: 16 MB (more recommended if you have multiple applications open)
- Modem: v.32bis 14.4kbps Hayes compatible modem or faster (recommend 56.6 Kbps)
- Monitor: VGA or above
- Mouse or other pointing device

#### **Minimum Software Requirements**

- Operating System: Microsoft Windows 95/98
- Point-to-Point Protocol (PPP) Dialer: Use the Dial-Up Networking feature included with Windows 95/98
- Web Browser: Netscape® Communicator<sup>TM</sup> 4.7 is recommended. However, you can also use Netscape Communicator 4.5, 4.51, or 4.61 (Internet web browser software).

Note: To download Netscape Communicator 4.7 free of charge, access the Netscape download site at *http://home.netscape.com/download/* 

#### **Connecting to the FCC Network**

To use the FCC Remote Access System, you must first connect to the FCC Network using Dial-Up Networking.

Dial-Up Networking connects to a 900 number telephone service at a charge of \$2.30 per minute. The first minute of connection time to the 900 number service is at no charge.

Dial-Up Networking establishes a point-to-point connection from your PC to the FCC Network. *This point-to-point connection is not routed through the Internet*.

For instructions regarding how to connect to the FCC Network using Dial-Up Networking, see the *Accessing the FCC Network Using Windows 95/98* section.

*Note:* Throughout these instructions, "enter" means to type the appropriate information and then press the ENTER key.

# **Using the FCC Remote Access System**

After you have connected to the FCC Network, start your Netscape Web browser. In your browser's *Location* field, enter the following location:

http://wtbwww26.fcc.gov and then click Round Results Viewer, Suggestion Box, or Announcements

**Note:** If you cannot access the preceding site, and you suspect there is a problem with your Domain Name Server (DNS), refer to *Accessing FCC Sites In Case of DNS Problems* at the end of this document.

When you have finished, exit your Web browser, then disconnect from the FCC Network.

For technical assistance with installing or using FCC software, contact the FCC Technical Support Hotline at (202) 414-1250 (V) or (202) 414-1255 (TTY). The FCC Technical Support Hotline is generally available Monday through Friday, from 8 a.m. to 6 p.m. ET. *All calls to the FCC Technical Support Hotline are recorded.* 

#### **Option 2: Tracking the Auction via the Internet**

You may use your Web browser to download announcements and round results from *wtbwww13.fcc.gov* – or from either of two secondary locations, *wtbwww01.fcc.gov* or *www.fcc.gov/wtb/auctions/* – as described in the following section.

# **Downloading from** *wtbwww13.fcc.gov* or *wtbwww01.fcc.gov*:

- 1. Connect to your Internet service provider and start your Web browser.
- 2. In the *Location* field of the Web browser screen, enter one of the following locations: *http://wtbwww13.fcc.gov* or *wtbwww01.fcc.gov*

**Note:** If you cannot access either of the preceding sites, and you suspect there is a problem with your Domain Name Server (DNS), refer to *Accessing FCC Sites In Case of DNS Problems* at the end of this document.

#### 3. Click on Auction 26.

- For auction announcements, click on **Announcements**.
- To download a bid import template file, click on **Announcements**, then select template.txt.
- For auction round results, click on **Results** and then click on the subdirectory for the type of files you wish to use:

mdb - Microsoft Access database files,txt - text files, anddbf - dBASE database files.

4. Click on the file you wish to download.

#### Downloading from www.fcc.gov/wtb/auctions/

- 1. Connect to your Internet service provider and start your Web browser.
- 2. In the *Location* field of the Web browser screen, enter the following location: *http://www.fcc.gov/wtb/auctions/*
- 3. Do the following:
  - a. In the *Auctions* section on the right, click **929 and 931 MHz Paging Auction** #26 under *In Progress*.
  - b. Then click on Announcements, Programs, or Results.
    - For auction announcements, click on **Announcements**.
    - To download a bid import template file, click on **Announcements**, then select template.txt.

- For auction round results, click on **Results** and then click on the subdirectory for the type of files you wish to use:

mdb - Microsoft Access database files,txt - text files, anddbf - dBASE database files.

4. Then click on the file you wish to download.

#### **Archive Directories**

The FCC will establish archive directories for round results files on the Internet. After every 50 rounds, files will be moved from the *Results* MDB, TXT, or DBF directories to a respective archive directory. The newest round results files will continue to be uploaded to the *Results* directory.

For example, in round 102, DBF round results files would be located as follows:

#### On the primary location, wtbwww13.fcc.gov:

Rounds 1-50	http://wtbwww13.fcc.gov/Paging/Auction_26/Results/dbf/D001_050
Rounds 51-100	http://wtbwww13.fcc.gov/ Paging /Auction_26/Results/dbf/D051_100
Rounds 101-102	http://wtbwww13.fcc.gov/ Paging /Auction_26/Results/dbf/
Rounds 1-50 Rounds 51-100 Rounds 101-102	http://wtbwww13.fcc.gov/ Paging /Auction_26/Results/mdb/M001_050 http://wtbwww13.fcc.gov/ Paging /Auction_26/Results/mdb/M051_100 http://wtbwww13.fcc.gov/ Paging /Auction_26/Results/mdb/
Rounds 1-50	http://wtbwww13.fcc.gov/ Paging /Auction_26/Results/txt/T001_050
Rounds 51-100	http://wtbwww13.fcc.gov/ Paging /Auction_26/Results/txt/T051_100
Rounds 101-102	http://wtbwww13.fcc.gov/ Paging /Auction_26/Results/txt/

**Note:** If you cannot access these files at the preceding primary location, you can use your regular Internet Service Provider to access the same files at either of the following secondary locations: *wtbwww01.fcc.gov* or *www.fcc.gov/wtb/auctions/*.

### **Option 3: Tracking the Auction via the Bulletin Board System (BBS)**

The FCC Auction Bulletin Board System (BBS) provides dial-in access for Auction Results. To access the FCC Auction BBS, use a communications package that can handle Zmodem protocol (such as PcAnyWhere, Procomm, or Microsoft Hyperterminal in Windows 95/98) to dial in to (202) 682-5851 or (717) 338-0731. Use the settings of 8 data bits, no parity and 1 stop bit (8,N,1).

Once your computer is connected to the Auction BBS, do the following:

- 1. To create an account:
  - a. Enter your first name.
  - b. Enter your last name.
  - c. When asked whether you want to create an account, enter y. (You may also enter Y, the program accepts either case.)
  - d. When prompted, enter a password.

The password can be from four to ten characters long (where the characters can be either letters or numbers).

- e. To confirm the password, enter it again.
- f. When prompted for contact information, enter your voice phone number. Include the area code; for example, you might enter *202-555-1234*.
- g. Enter your company name.
- 2. On the Welcome screen, enter *c* for *Continue*.
- 3. When asked whether you want to view the bulletin menu, enter *y* for *Yes*. Then, to continue, press ENTER to obtain the FCC Auction BBS Main Menu.
- 4. Enter *a* (for Auction Menu) to obtain the *Auction Library Menu*. The top options on this menu provides a range of numbers to represent the available auctions.
- 5. To select Auction 26, enter c to select the third range.
- 6. On the Auctions Library Menu, enter the number of the auction you want.

The Auction Menu appears.

7. Enter a to select *Announcements* or enter r to select *Results*.

The list of available files for Auction 26 appears. These files are sorted by date, with the most recent files at the beginning of the list.

8. To scroll downward to the next screen of file names, either press ENTER or enter *c* for *Continue*. To scroll upward to the preceding screen of file names, enter *p* for *Previous*.

Note that on each screen, file names are numbered separately, starting with 1.

9. To select one or more files for downloading or viewing, mark the files you want. The program marks a file by preceding its name with an asterisk (\*).

You can do the following:

- o To mark an individual file, enter its line number.
- o To mark a range of files, enter *m* (for *Mark*) and then enter the range of files in response to the prompt. For example, to mark files 6 through 12, enter *6-12* at the prompt.
- o To unmark a file, enter its number again. You can also use Mark to unmark a range of files.
- 10. When you have finished marking files, you may download or view the marked files (you may only view text files).

To download the marked files, take the following steps:

a. Enter **d** for *Download*.

The program displays a list that summarizes the download operation. The *Time* column lists the download time for each file; the *Total Time* column lists a running total of the download times.

- b. Enter *d* to proceed.
- c. Select the file transfer protocol that has been specified in your terminal emulation software (e.g., Zmodem).
- d. When the download operation has finished, the list of files reappears.

To view the marked files, do the following:

- a. Enter *v* for *View*.
- b. Enter the file number that you would like to view.
- 11. Enter *x* to leave the BBS.

*Note:* All round results files will be accessed through the *Results* menu on the BBS. No archive menus will be created.

#### **Announcement Files**

The announcement files will use the naming convention  $aa\_xxx.nn$ , where aa is the auction number, xxx is the round number and nn is the announcement number. For example, 26\_002.07 would represent an announcement for Auction 26 that was posted during round two and was the seventh announcement for the auction.

#### **Round Results Files**

For each round, dBase-compatible database files will be uploaded with the following naming conventions i.e. naming conventions where *xxx* represents the round number.

26\_xxxS.DBF contains all bids submitted in a particular round

26\_xxxW.DBF contains all bids withdrawn in a particular round

26\_xxxE.DBF contains the maximum eligibility and remaining number of waivers for each bidder

26\_xxxH.DBF contains the high bids in a particular round and the minimum accepted bids for the next round

For those who cannot use the dBase-compatible database files, we will also upload the ASCII text (.TXT) version of these files with the same filenames as above (e.g., 26\_xxxS.TXT, 26\_xxxE.TXT).

In addition, if you wish to use Microsoft Access or are using the FCC provided Auction Tracking Tool, we upload the MDB access version of the round results files with the filenames as above as zipped files (e.g., 26\_xxxS.ZIP, 26\_xxxE.ZIP).

## **Round Results File Formats**

The Round Results File Formats will be published in a future Public Notice.

### **Accessing FCC Sites In Case of DNS Problems**

When you enter a URL into your browser, the system must convert this alphanumeric text (e.g., www.fcc.gov/wtb/auctions/) into its associated numeric IP address (192.104.54.3, in this case). To make this conversion, the system checks URL-to-IP-address "lookup" tables in two different places.

First, it looks at the table contained in a file called **hosts** in the c:\windows directory on your computer's hard drive. If the URL is not in that table, the system looks in the database on your Domain Name Server (DNS). However, if your DNS is unavailable for some reason, the system will not be able to find the IP address you requested.

The following procedure is intended to help ensure that you can access auction results files on the FCC's Web and FTP sites if your designated DNS has problems. Note the following:

- The IP addresses shown in the following procedure are correct as of the date this document was created. They may have changed subsequently. In case of problems, please check with Tech Support at (202) 414-1250.
- Make entries in the **hosts** file *only* to work around DNS problems. We do not recommend leaving these entries in permanently; please remove them when your DNS problem has been resolved.

To add FCC-related URL entries to your computer's hosts file, do the following:

1. Using Windows Explorer, ensure that the hosts file exists in your c:\windows directory. If c:\windows has no **hosts** file, use the Windows *Rename* function to change the name of the **hosts.sam** file to **hosts** (with no extension).

To do this, use your *right-hand* mouse button to click the **hosts.sam** file, then click the Rename option in the menu that appears.

2. Using a text editor of your choice, such as Wordpad or Notepad, open the hosts file in your c:\windows directory.

This file will already contain the following entry:

```
127.0.0.1 localhost
```

3. Using the same format (with at least one space between each number and its corresponding URL), add the following entries to the bottom of the file:

```
192.104.54.3 ftp.fcc.gov
192.104.54.3 www.fcc.gov
208.245.40.194 wtbftp02.fcc.gov
208.245.40.194 wtbwww13.fcc.gov
207.123.193.68 wtbftp01.fcc.gov
207.123.193.68 wtbwww01.fcc.gov
```

4. Save the file and exit your text editor.

Be sure that the file name has not changed to *hosts.txt* or *hosts.doc* or similar. It must remain just **hosts** (with no extension).

#### **Using the Backup 900 Number**

If you had problems connecting through the FCC's 900 number, to review FCC Form 175 applications or to use the FCC Remote Access System, you must reconfigure Dial-Up Networking to use the backup 900 number. Do the following:

- 1. Click the FCC Auctions 900# icon, to highlight it.
- 2. Using your mouse's *right* mouse button, click this icon.
- 3. Click the *Properties* option on the menu.
- 4. In the *Telephone Number* field of the window that appears, type 555-5335.
- 5. Click the **OK** button.

# Option 4: Tracking the Auction via the FCC's Automated Round Results System

Round results are also available from a touch-tone phone, using the FCC's Automated Round Results System. To access this system, dial 800-432-2110 from outside the Washington DC area and 202-414-1260 from within the Washington DC area. Once the system has been activated, you will follow the voice prompts. You will need to know the name of the license you want by market and frequency block, such as MEA001 A.

#### Help

For technical assistance with downloading files or installing and using FCC software, contact the FCC Technical Support Hotline at (202) 414-1250 (V) or (202) 414-1255 (TTY). The FCC Technical Support Hotline is generally available Monday through Friday, from 8 a.m. to 6 p.m. ET. *All calls to the FCC Technical Support Hotline are recorded.* 

#### 5. ACCESSING THE FCC NETWORK USING WINDOWS 95/98

This attachment describes how to access the FCC Network from a system that is running the Microsoft Windows 95 or Microsoft Windows 98 operating system. This involves configuring dial-up network access and then performing the dial-up procedure. Dial-up access to the FCC Network is required to submit FCC Form 175 applications electronically or use the FCC Remote Access System.

**Note:** Dial-up access to the FCC Network is **not** required to review FCC Form 175 applications. You can perform that function from the Internet, by entering location **http://wtbwww15.fcc.gov/** on your Netscape Web browser and clicking the **175 Review** button.

# **Conventions**

The instructions in this section use the following typographical conventions:

Represents objects on the screen that you click with the mouse pointer, including buttons, Internet links, icons, tabs, menu items (e.g., **Cancel** button, **Auctions** link, **Save** option in the File menu).

italic Represents field names or areas of a screen (e.g., Applicant field, Selected Licenses area of a screen).

**bold italic** Represents characters that you must type exactly as they appear in the instructions. For example, if you are instructed to type **http://wtbwww26.fcc.gov**, you should type all of the characters shown in bold italic exactly as they are printed.

SMALL CAPS Represents keys on the keyboard (e.g., ENTER, CTRL, ESC).

*Note:* Throughout these instructions, "enter" means to type the appropriate information and then press the ENTER key.

# **Configuring Dial-Up Networking**

- 1. To start dial-up networking:
  - a. Click the Windows 95/98 **Start** button.
  - b. Click the **Programs** option to display the Programs menu.
  - c. Click the **Accessories** option to display the Accessories menu.
  - d. In Windows 95, click **Dial-Up Networking**.
     In Windows 98, click **Communications**, then **Dial-Up Networking**.

If Dial-Up Networking is not an option on your Accessories menu, you should install it from your Windows 95/98 CD or diskettes.

2. When the Dial-Up Networking window appears, double-click the **Make New Connection** icon.

The Make New Connection window appears.

3. If you are connecting to submit FCC Form 175 applications, type *FCC Auctions* **877**# in the field titled *Type a name for the computer you are dialing.* 

If you are connecting to use the FCC Remote Access System, type **FCC Auctions 900**# in the field titled *Type a name for the computer you are dialing.* 

**Note**: If you connect to the FCC's 900# telephone service, there is a charge of \$2.30 per minute. The first minute of connection time to the 900 number service is at no charge.

4. In Windows 95, click the down arrow at the right of the *Select a modem* field and select your modem from the menu of available modems.

In Windows 98, click the down arrow at the right of the *Select a device* field and select your modem from the menu of available devices.

If your modem does not appear on this list, you must install your modem driver according to the modem manufacturer installation procedures, which are usually described in your modem's user manual.

- 5. Click the **Next** button.
- 6. If you are connecting to submit FCC Form 175 applications, type **877** and **844**-**2788** in the *Area Code* and *Telephone Number* fields, respectively.

If you are connecting to use the FCC Remote Access System, type **900** and **555-554** in the *Area Code* and *Telephone Number* fields, respectively.

7. Verify that the correct country is selected in the *Country code* field.

If necessary, click the down arrow at the right of the *Country code* field and select the appropriate country from the menu of available countries.

- 8. Click the **Next** button.
- 9. Click the **Finish** button.

- An icon labeled either *FCC Auctions 877#* or *FCC Auctions 900#* appears in the Dial-Up Networking window.
- 10. Verify that properties are configured correctly before attempting a dial-up session. Put the mouse pointer on the FCC Auctions icon that you wish to configure and click the *right* mouse button to display a menu. Click **Properties** from the menu.
- 11. Click the **Configure** button. Click the **Options** tab at the top of the Properties window.
- 12. In the *Connection control* area of the Options tab, verify that *neither* option is selected. If either option is selected, click the check box at the left of the option to deselect it. Then click **OK**.
- 13. In Windows 95, click the **Server Type...** button.
  - In Windows 98, click the **Server Types** tab at the top of the Properties window.
- 14. In the *Advanced Options* area, verify that only *Enable software compression* is selected. If it is not selected, click the check box at the left of the option to select it. If either of the other options is selected, click the check box to deselect it.
- 15. In the *Allowed Network Protocols* area, verify that only *TCP/IP* is selected.
  - If it is not selected, click the check box at the left of the option to select it. If either of the other options is selected, click the check box to deselect it.
- 16. Click the **TCP/IP Settings** button. On the TCP/IP Settings window, select *Server assigned IP address* at the top and *Specify name server addresses* in the area midway down the window.
- 17. Type **165.135.79.95** as the Primary DNS.

Ensure that these two options are checked:

- Use IP header compression
- Use default gateway or remote network
- 18. Click **OK** on the TCP/IP Settings window and the Server Type window.
- 19. a. Click the Windows 95/98 *Start* button, then click the *Settings* option to display the Settings menu.
  - b. Click *Control Panel* and then double-click the *Network* icon.

- c. Highlight the TCP/IP Protocol and click *Properties*. If there are multiple TCP/IP protocols, highlight TCP/IP --> Dial-Up Adapter and click *Properties*.
- d. Click the DNS Configuration tab.
- e. Select *Enable DNS*. Type **bidder** in the *Host* box, type **fcc.gov** in the *Domain* box, then type **165.135.79.95** in the DNS Server Search Order box and click the *Add* button.
- f. Click *OK* on the TCP/IP Properties windows, then click *OK* on the Network windows.
- f. If you are prompted to restart your computer, click *Yes* to restart, then begin the Dial-Up Procedure.

# **Dial-Up Procedure**

- 1. If the Dial-Up Networking window is not currently open, do the following:
  - a. Click the Windows 95/98 **Start** button.
  - b. Click the **Programs** option to display the Programs menu.
  - c. Click the **Accessories** option to display the Accessories menu.
  - d. In Windows 95, click **Dial-Up Networking**In Windows 98, click **Communications**, then **Dial-Up Networking**.

The Dial-Up Networking window appears.

2. In the Dial-Up Networking window, double-click the **FCC Auctions 877#** or **FCC Auctions 900#** icon.

**Note**: If you connect to the FCC's 900 number telephone service, there is a charge of \$2.30 per minute. The first minute of connection time to the 900 number service is at no charge.

3. Click the **Connect** button on the window. *Do not enter User name and Password* .

The Connection window appears, indicating the status of your connection as your modem dials into the system. This window must remain running during your dial-up session. You may minimize the window, if you wish.

If your modem fails to establish a connection, please see the *Troubleshooting* section below.

- 4. Once the connection is established, open your Web browser.
- 5. In your browser's *Location* field, enter the appropriate Universal Resource Locator (URL) as follows:
  - For FCC Form 175 Submit, enter *http://wtbwww34.fcc.gov* (primary location) or *http://wtbwww04.fcc.gov* (secondary location)
  - For the FCC Remote Access System, enter **http://wtbwww26.fcc.gov** (primary location) or **http://wtbwww03.fcc.gov** (secondary location)

If nothing appears in your Web browser, please see the *Troubleshooting* section below.

6. When you have finished, exit the Web browser, then click the **Disconnect** button on the Connection window to end your dial-up session.

# **Troubleshooting**

Following are problems you may encounter and possible solutions for resolving or isolating them.

# Modem does not respond

- 1. Confirm that all physical connections for the modem are present.
- 2. Confirm that the phone line is active by connecting it to a telephone and checking for a dial-tone.
- 3. If you are dialing the 900 number service, check for a 900 number telephone block. If the volume settings are low, the modem may be dialing but not connecting. Check for this by trying to connect to the 877 number, or by dialing the 900 number on that line using a telephone.
- 4. Confirm that the correct modem driver is installed for your modem.

#### Modem dials but does not connect

- 1. If you are dialing the 900 number service, check for a 900 number telephone block. Check for this by dialing the 877 number to see if you connect, or by dialing the 900 number on that line using a telephone.
- 2. Confirm that the number the modem is dialing is correct.

- 3. Confirm that the modem prefix, if any, is correct.
- 4. Reconfigure Dial-Up Networking to use the backup 900 number, as described under "Accessing FCC Sites In Case of DNS Problems" under this section *How To Monitor the FCC Auctions On-Line*.

# Modem dials and connects, but nothing appears when you enter the Location in the Web browser

- 1. Verify the Dial-Up Networking settings specified in the Configuring Dial-Up *Networking* section.
- 2. Confirm that your Web browser is not using proxies:
  - a) On your browser, click the *Preferences* option in the Edit menu.
  - b) In the Category area at the left, double-click *Advanced*.
  - c) Click the Advanced structure's *Proxies* option.
  - d) Click the radio button labeled *Direct connection to the Internet*.
  - e) Click the **OK** button at the bottom of the window.

### Receive an Internal Server error in the Web browser

- 1. Confirm that the *Location* is correct.
- 2. Confirm that *Java* and *JavaScript* are enabled in your Web browser, and confirm that *Cookies* is set to Accept All.

#### Help

For technical assistance with installing or using FCC software, contact the FCC Technical Support Hotline at (202) 414-1250 (V) or (202) 414-1255 (TTY). The FCC Technical Support Hotline is generally available Monday through Friday, from 8 a.m. to 6 p.m. ET. *All calls to the FCC Technical Support Hotline are recorded.* 

### 6. AUCTION TRACKING SOFTWARE

The FCC has developed the Auctions Tracking Tool ("ATT") for tracking the results of its auctions. The ATT is a stand-alone application which allows users to import auction round result files and analyze bidding results. The ATT runs on Microsoft Windows 95/98 and NT operating systems and does not require any further software for its basic operation, however some advanced features require Microsoft Excel 97 or later.

The **ATT version 3.2.2** is available for download at: <a href="http://www.fcc.gov/wtb/auctions">http://www.fcc.gov/wtb/auctions</a>. At this web page, choose 929 and 931 MHz Paging Auction #26 under "Future" or "In Progress Auctions", and then choose the link for the FCC Auction Tracking Tool. The ATT will also be available on the FCC Auctions Bulletin Board.

**User Requirements**. This software is designed for a wide range of users. To use the tool most effectively, users should have a working knowledge of the following:

- Microsoft Windows 95, 98, or NT
- Microsoft Excel
- The FCC simultaneous multiple round ascending auction format

**Software and Hardware requirements.** As a minimum, users will need the following to operate the ATT:

- Microsoft Windows 95, 98, or NT (Recommend Microsoft Excel 97 or later for advanced features.)
- 40-50 MB of available hard disk space. The application requires 2-3 MB of disk space. The rest of the storage space is necessary, as the auction database can grow quite large.
- 16 MB RAM and a Pentium 133 MHz processor. (32 MB RAM and Pentium 166 MHz processor is recommended).
- Some advanced features of the tool require Microsoft Excel 97, but most functions can be used without it.

**Installation Procedure**. The software for the Auction Tracking Tool is available as a self-extracting file that you download from the FCC's Auctions website. To install it please follow these steps:

- 1. Create a directory on your computer's hard drive for the Auction Tracking Tool software (remember this subdirectory).
- 2. Click the "Tool Icon" found on the Auction Tracking Tool page to select file.
- 3. Type the subdirectory you chose in step 1 when the "Save As" dialog box appears and select "Save" to download the zipped file.
- 4. Go to the subdirectory where you downloaded the file and double click the Auction Tracking Tool (fccatt.exe) to unzip the file.

5. Close all Windows applications and run the **fccatt.exe** program. This will initiate the installation of ATT.

(Please note: The ATT includes a utility that will unzip the round result ".mdb" files, so it is not necessary to unzip them after downloading.)

# POST-AUCTION PROCEDURES

# 1. Down Payments and Withdrawn Bid Payments

After bidding has ended, the Commission will issue a public notice declaring the auction closed, identifying the winning bids and bidders for each license, and listing withdrawn bid payments due.

Within ten business days after release of the auction closing notice, each winning bidder must submit sufficient funds (in addition to its upfront payment) to bring its total amount of money on deposit with the Government to 20 percent of its net winning bids (actual bids less any applicable bidding credits). *See* 47 C.F.R. § 1.2107(b). In addition, by the same deadline all bidders must pay any withdrawn bid amounts due under 47 C.F.R. § 1.2104(g), as discussed in "Bid Removal and Bid Withdrawal," in Tab D. (Upfront payments are applied first to satisfy any withdrawn bid liability, before being applied toward down payments.)

# 2. Long-Form Application

Within ten business days after release of the auction closing notice, winning bidders must electronically submit a properly completed long-form application and required exhibits for each 929 and 931 MHz Paging license won through the auction. Winning bidders that are small businesses or very small businesses must include an exhibit demonstrating their eligibility for bidding credits. *See* 47 C.F.R. § 1.2112(b). Further filing instructions will be provided to auction winners at the close of the auction.

### 3. Default and Disqualification

Any high bidder that defaults or is disqualified after the close of the auction (*i.e.*, fails to remit the required down payment within the prescribed period of time, fails to submit a timely long-form application, fails to make full payment, or is otherwise disqualified) will be subject to the payments described in 47 C.F.R. § 1.2104(g)(2). In such event the Commission may reauction the license or offer it to the next highest bidders (in descending order) at their final bids. *See* 47 C.F.R. § 1.2109(b) and (c). In addition, if a default or disqualification involves gross misconduct, misrepresentation, or bad faith by an applicant, the Commission may declare the applicant and its principals ineligible to bid in future auctions, and may take any other action that it deems necessary, including institution of proceedings to revoke any existing licenses held by the applicant. *See* 47 C.F.R. § 1.2109(d).

# 4. Refund of Remaining Upfront Payment Balance

All applicants that submitted upfront payments but were not winning bidders for a 929 and 931 MHz Paging license may be entitled to a refund of their remaining upfront payment

balance after the conclusion of the auction. No refund will be made unless there are excess funds on deposit from that applicant after any applicable bid withdrawal payments have been paid.

Bidders that drop out of the auction completely may be eligible for a refund of their upfront payments before the close of the auction. However, bidders that reduce their eligibility and remain in the auction are not eligible for partial refunds of upfront payments until the close of the auction. Qualified bidders that have exhausted all of their activity rule waivers, have no remaining bidding eligibility, and have not withdrawn a high bid during the auction must submit a written refund request which includes wire transfer instructions, a Taxpayer Identification Number ("TIN") to:

Federal Communications Commission
Financial Operations Center
Auctions Accounting Group
Shirley Hanberry
445 12th Street, S.W., Room 1-A824
Washington, D.C. 20554

Bidders can also fax their request to the Auctions Accounting Group at (202) 418-2843. Once the request has been approved, a refund will be sent to the address provided on the FCC Form 159.

NOTE: Refund processing generally takes up to two weeks to complete. Bidders with questions about refunds should contact Michelle Bennett or Gail Glasser at (202) 418-1995.

# 5. Winning Bidder Requirements

# AUCTION-SPECIFIC INSTRUCTIONS FCC REMITTANCE ADVICE, FCC FORM 159: DOWN PAYMENTS AND FINAL PAYMENTS

Specific information regarding down payments and final payments will be included in a closing Public Notice (PN) announcing the winning bidders.

#### POST-AUCTION LONG-FORM FILING

Within ten business days after release of the auction closing PN, winning bidders must submit a properly completed long-form application (FCC Form 601) and required exhibits for **each license won** through the auction. Further filing instructions will be provided to auction winners at the close of the auction.